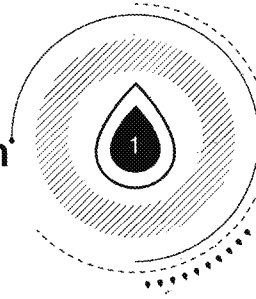


watergen

About the company

watergen



OUR VISION

FRESH DRINKING WATER HAS ALWAYS BEEN HUMANITY'S BIGGEST CHALLENGE. EVEN TODAY, WATER IS STILL THE WORLD'S NUMBER ONE CONCERN, AS UN-SAFE WATER KILLS MORE PEOPLE THEN WARS. OUR ATMOSPHERE IS THE WORLD'S PRIMARY SOURCE OF ALL FRESH WATER. SO IN A SENSE, WE ARE ALL SURROUNDED BY WATER, LITERALLY, THE AIR AROUND US IS OUR SOLUTION, THERE IS JUST THE MATTER OF TAPPING TO THAT UNLIMITED RESOURCE...

WATER-GEN'S VISION IS TO PROVIDE HUMANITY WITH AN ABUNDANT, RENEWABLE SOURCE OF FRESH, CLEAN DRINKING WATER, BY EXTRACTING IT DIRECTLY FROM THE AIR, OUR MOST ABUNDANT WATER RESOURCE.

OUR MISSION

WATER-GEN'S MISSION IS TO IMPROVE THE QUALITY OF LIFE OF BILLIONS THAT SUFFER FROM POOR WATER SANITATION OR ACCESSIBILITY TO SAFE DRINKING WATER, REGARDLESS TO THEIR NATIONALITY, SKIN COLOR, OR RELIGIOUS BELIEF.

GENERATING THE WATER DIRECTLY FROM THE AIR ENABLES WATER-GEN'S SOLUTIONS TO BE COMPLETELY INDEPENDENT AND AUTONOMOUS, REQUIRING NO INFRASTRUCTURE WHAT SO EVER BUT ELECTRICITY, MAKING IT LITERALLY A PLUG AND DRINK SOLUTION, AIMED FOR EVERYONE.



Mr. Arye Kohavi, Water-Gen's founder and CO-CEO, was chosen as one of the world's 100 Leading Global Thinkers, and one of the world's top Innovators.

Foreign Policy Magazine



Water-Gen was chosen as one of the World's 50 Most Innovative Companies, #21.

Fast Company Magazine



Technology Innovation Leadership of the Year, 2014.

Frost & Sullivan

Large Scale Water Generator

Water-Gen's Large Scale unit is an industrial scale Atmospheric Water Generator (AWG).

Requiring no infrastructure what so ever but electricity, it is literally a plug and drink solution, aimed for schools, hospitals, commercial/residential buildings, whole villages, factories and off-grid settlements, providing robust and renewable source for fresh, clean drinking water.

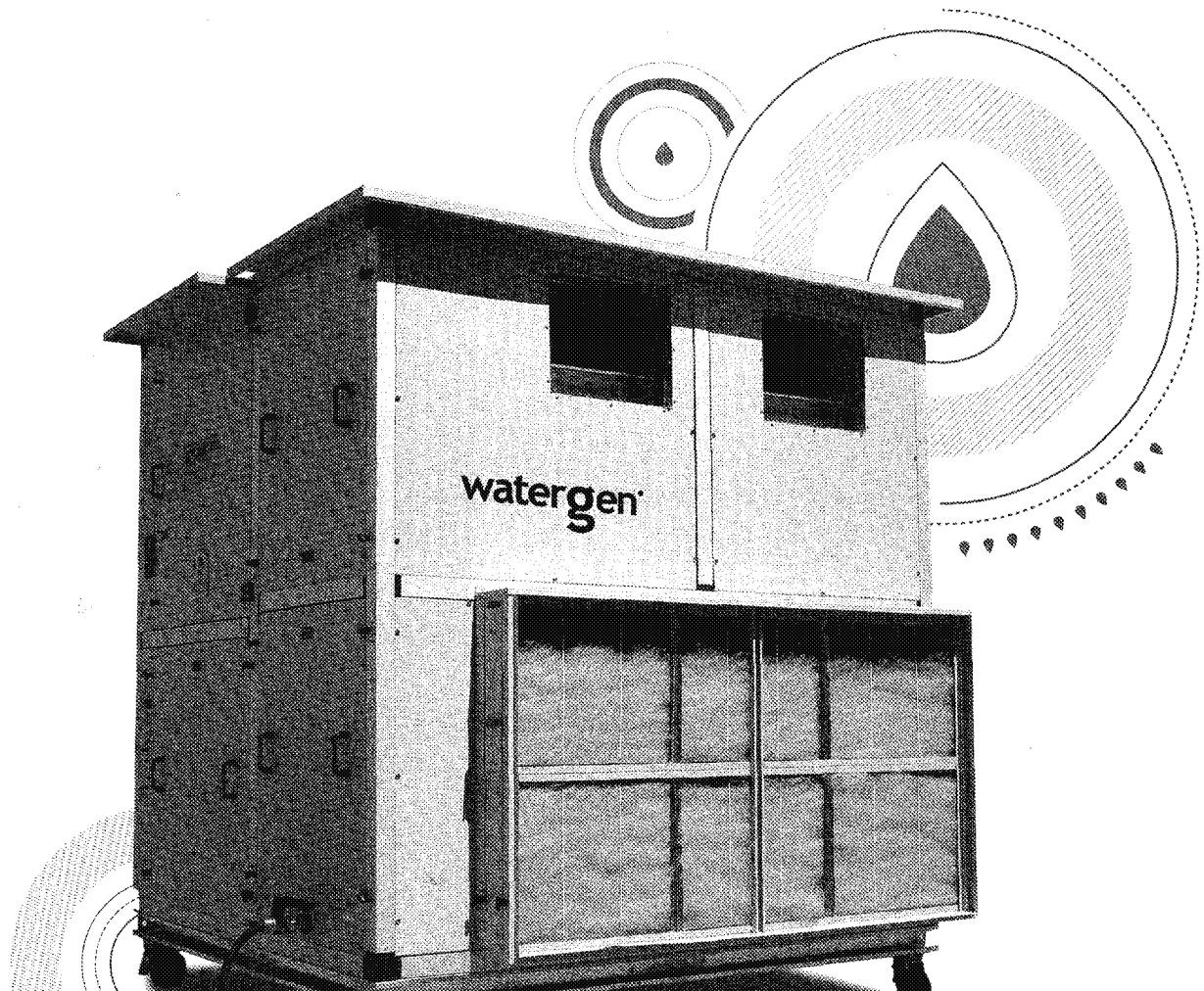
The LS can potentially service millions around the world, eliminating their need to "hunt" for water every day, providing water independence and social stability.

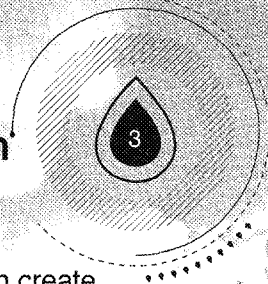
The Large Scale system has a multi-barrier air filtration cascade, ensuring high-quality water generation regardless to the air quality, and a built-in water reservoir and treatment facility, continuously circulating the water, keeping it fresh over time.

Solution for cities

A family requires only 20 liters per day for drinking while the average overall water consumption of a family, can sum to 300–500 liters per day (for showers, laundry, dishwashing).

In cities or areas where the municipal water system is, either not safe for drinking, or the water quality is inconsistent, Water-Gen's Large Scale solution, can offer a **water source separation concept**.





By installing a Large Scale unit on roof-tops of commercial or residential buildings, we can create safe and renewable, local drinking water reservoirs, servicing each building directly using simple and independent water infrastructure system, that delivers fresh drinking water directly to the family's kitchen sink, while using the municipal water for all other uses.

This concept, if adopted on a wide scale, can offer a decentralization of the city's water infrastructure, creating citywide renewable water reservoirs, making it much more robust and independent.

Large scale water generation at night

In most countries, during the night, electricity costs plummet due to off-peak rates.

Atmospheric conditions are also preferable for water generation, because the air is colder with higher relative humidity, requiring less energy to extract.

By selectively operating Water-Gen's Large Scale AWG during the night, we can create a dual synergy that can drastically reduce water generation costs.

A modular and scalable solution

The Large Scale systems are built as modular units, enabling fast and easy integration of multiple units together into water generation farms, to facilitate growing and changing water requirements.

Several Large Scale units can be fitted in one container, facilitating fast and easy transportation and water production salacity.

- Two (2) LS systems can easily fit into a 20' container, four (4) into 40' container
- Estimated water production: ~ 10,000L/day for 20' / ~ 20,000L/day for 40'

Large Scale Advantages

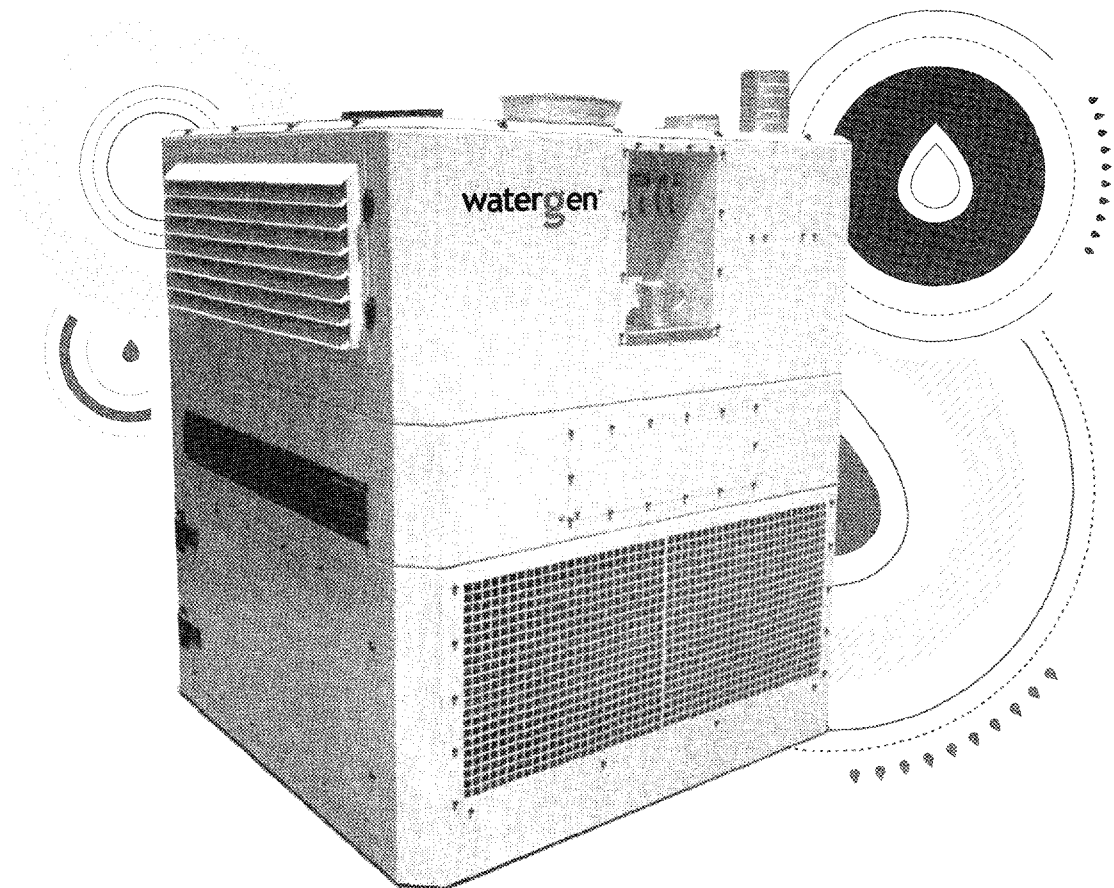
- A single units generates over 5,000L of clean fresh water every day
- Plug and drink solution — requiring no infrastructure but electricity, can be easily installed anywhere
- Ideal for countries, cities, communities that rely on bottled water
- Water Generation Efficiency: ¢ 2/L or 250Wh/L at 30°C and 70%RH
- Complies with all required standards — World Health Organization (WHO) and Environmental Protection Agency (EPA) standards

Large Scale Specifications

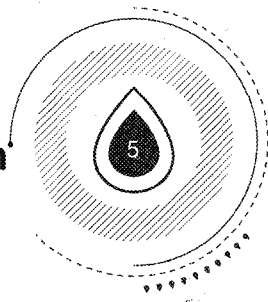
- Water generation capacity: > 5,000L/day
- Integrated water tank: 5,000L
- Water purification: Chlorine treatment, Mineralization and Carbon filter
- Power: 3 phase 380V/50Hz
- Power consumption: ~ 55Kw
- Dimensions: 2.25x2.21x2.85m
- Weight: 2,900kg (empty)

GEN-350G Medium Scale Atmospheric Water Generator

Awarded the "Atmospheric Water Generation for Forward Operating Base" CCD contract with the UK Ministry of Defense (March 2012). GEN-350G was exhibited at the NATO Capable Logistician Exercise as one of the two products representing the UK Ministry of Defense fields of innovation (May 2013). It is MIL-STD compliant and field proven.



The GEN-350G is a medium scale, and highly mobile water generator aimed for fast and easy deployment at all weather conditions. Weighing 800kg, the GEN-350 can be easily mounted on a small truck or SUV, servicing water to remote, and otherwise difficult to access locations. The GEN-350G includes the patented GENius™, the world's most energy-efficient. Atmospheric Water Generator (AWG) module of its kind.



The GEN-350G has an integrated energy optimization module, that constantly optimizes water production in accordance to external atmospheric conditions (day-night, seasons, geographic location, altitude etc.). The system has a built-in 200L water reservoir and a water treatment system, keeping the water fresh. The water can be dispensed directly from the system, either cold, or at ambient temperature.

GEN-350 Advantages

- A single unit generates over 450L of clean fresh water every day
- Plug and drink solution — requiring no infrastructure but electricity, can be easily installed anywhere
- Integrated dispenser — cold or ambient
- Water Generation Efficiency: Φ 2/L or 300Wh/L
- At 30.0°C and 70%RH
- Complies with all required standards — World Health Organization (WHO) and Environmental Protection Agency (EPA) standards

GEN-350 Specifications

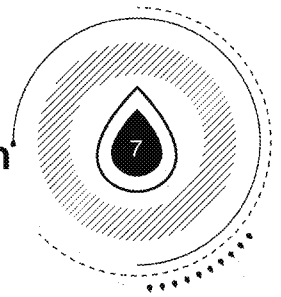
- Water generation capacity: > 600L/day Integrated water tank: 200L
- Water purification: UV, Mineralization and Carbon filter
- Power: 3-phase, 208/400VAC, 60/50Hz
- Power consumption: ~ 5.8Kw
- Dimensions: (HxWxD): 1.58x1.45x1.45m
- Weight: 800kg (empty)

GENNY – Water From Air Home Appliance

The GENNY is small water from air generator that provides renewable source of clean and fresh drinking water for homes and offices. Requiring no infrastructure what so ever but electricity, it is literally a plug and drink solution, that can be installed in minutes anywhere, eliminating the daily dependency on bottled water. Employing state of the art, multi stage, Ozone based, water purification and circulation system, ensures water quality at premium levels, keeping them cool and fresh over time. The system uses robust air filtration process, designed to operate at high air pollution conditions, venting back into the room ultra clean dry air.

Ideal for families, the GENNY provides secured and reliable water source, indifferent to the quality or availability of the municipal water system.





GENNY Advantages

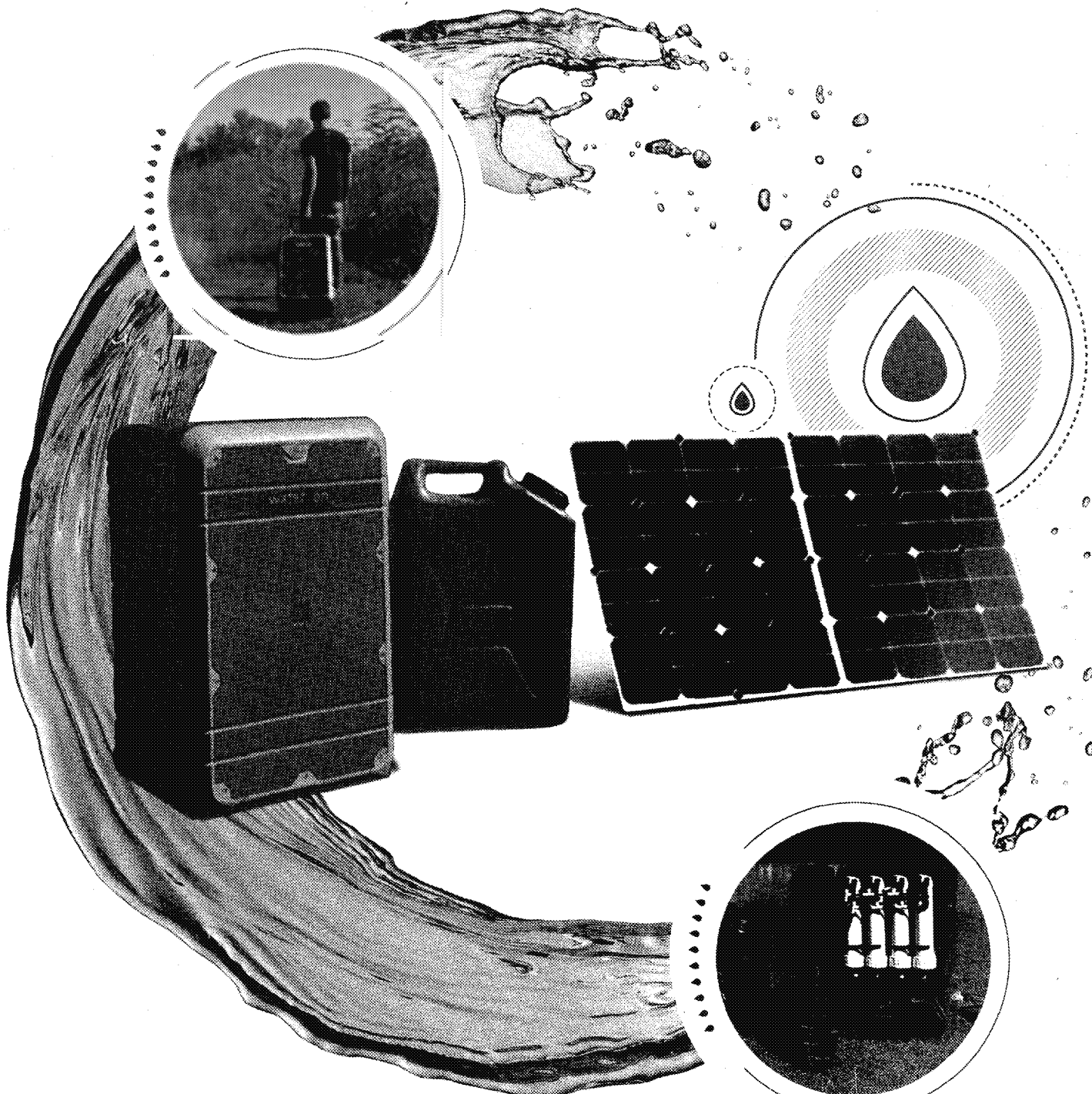
- Generates 20 liters of clean fresh water every day
- Plug and drink solution — requiring no infrastructure but electricity.
Can be easily installed anywhere
- Ideal for house-holds and offices that rely on bottled water
- GENNY generates clean, safe and abundant water source at ~ ¢ 2/liter or 330Wh/L
at 30°C and 70%RH
- Air purification — as part of the water generation process, the GENNY purifies the room's air,
venting clean fresh air — ideal for cities with heavy air pollution
- Dries the room-air for better thermal comfort (like a Dehumidifier). Drier air means less energy
invested in A/C
- Complies with all required standards — World Health Organization (WHO) and Environmental
Protection Agency (EPA) standards

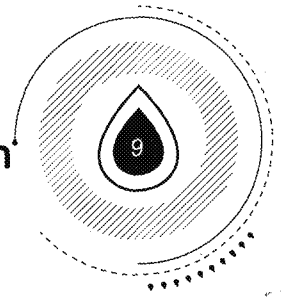
GENNY Specifications

- Water generation capacity: > 20L/day
- Integrated water tank: 15L (4 gallons)
- Hot and cold water dispenser, adjustable:
 - Cold water: 12–20°C
 - Hot water: 85–90°C
- Flow rate: 1.5–2.0L/min
- Water purification: Ozone treatment, Mineralization and Carbon filter
- Power: 220V/50Hz or 110V/60Hz
- Power consumption: ~ 250w nominal
- During water boiling: ~ 800w
- Weight: 50kg
- Maintenance: user level, once every 12 months

Civilian Spring

Lightweight, battery-operated water purification solution that provides high-grade drinking water in off-grid areas (no electrical power) that do not have safe drinking water. With a staggering water purification capacity of 120 liters an hour and 1200 liters per day, the Spring can service a whole village, providing renewable and safe drinking water solution per charge, recharging during the night.





Water purification

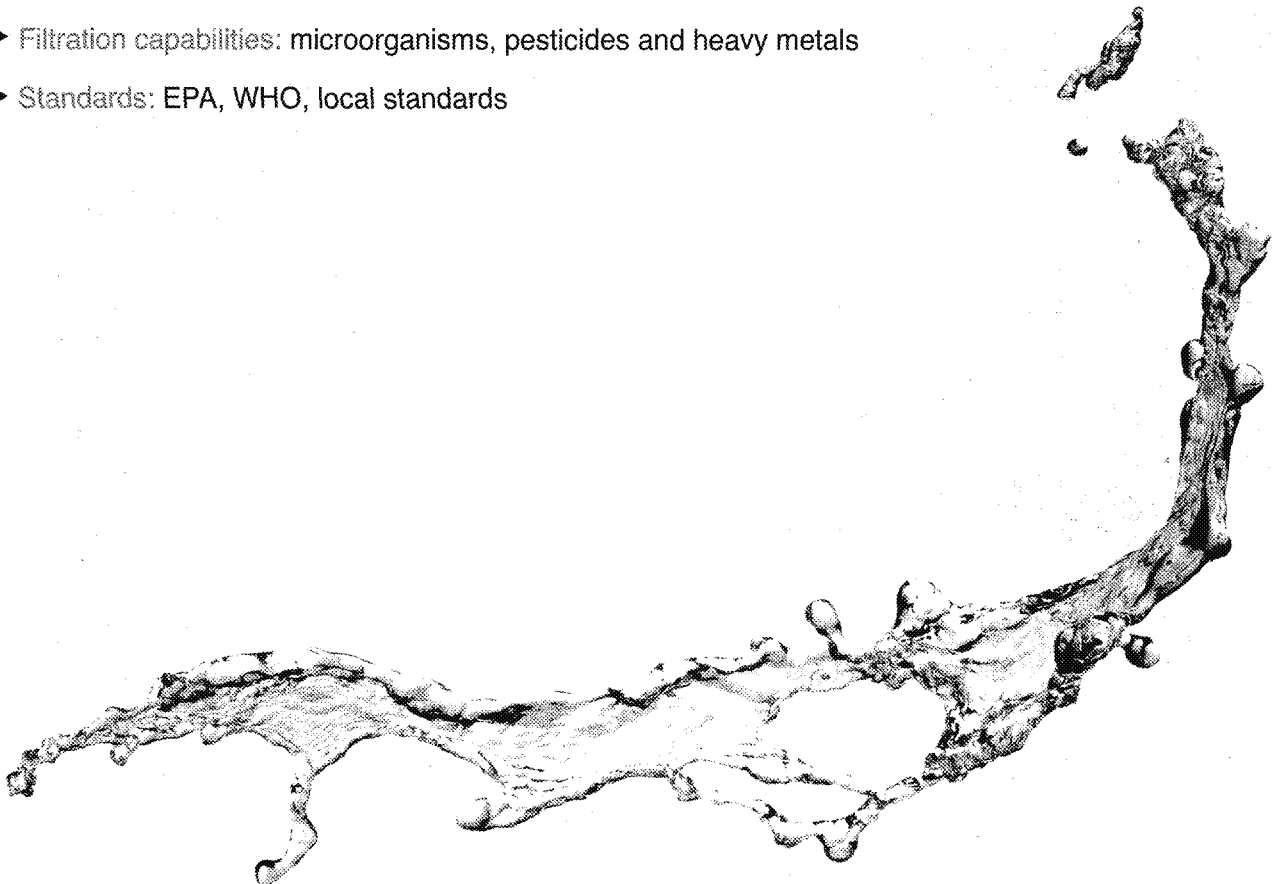
The Spring employs a multi-stage reverse osmosis (RO) filtration and purification processes, specially designed for harsh field conditions.

- Filtration of dirt and debris, performed directly at the water source to reduce the chance of filter clogging
- Filtration and sterilization of the water from microbiological contaminants
- Filtration of chemical contaminants, including pesticides, fluoride, arsenic, etc.
- Mineralization and pH stabilization

Operation and Maintenance

Spring includes a water quality monitoring system that automatically validates the water quality, ensuring that the filtered water is fit to drink and shuts off automatically if the quality of the water is inadequate.

- Water purification: ~ 120L/hour, and up to 1,200L/day
- Water source: any contaminated non-saline water
- Filtration capabilities: microorganisms, pesticides and heavy metals
- Standards: EPA, WHO, local standards



Spring

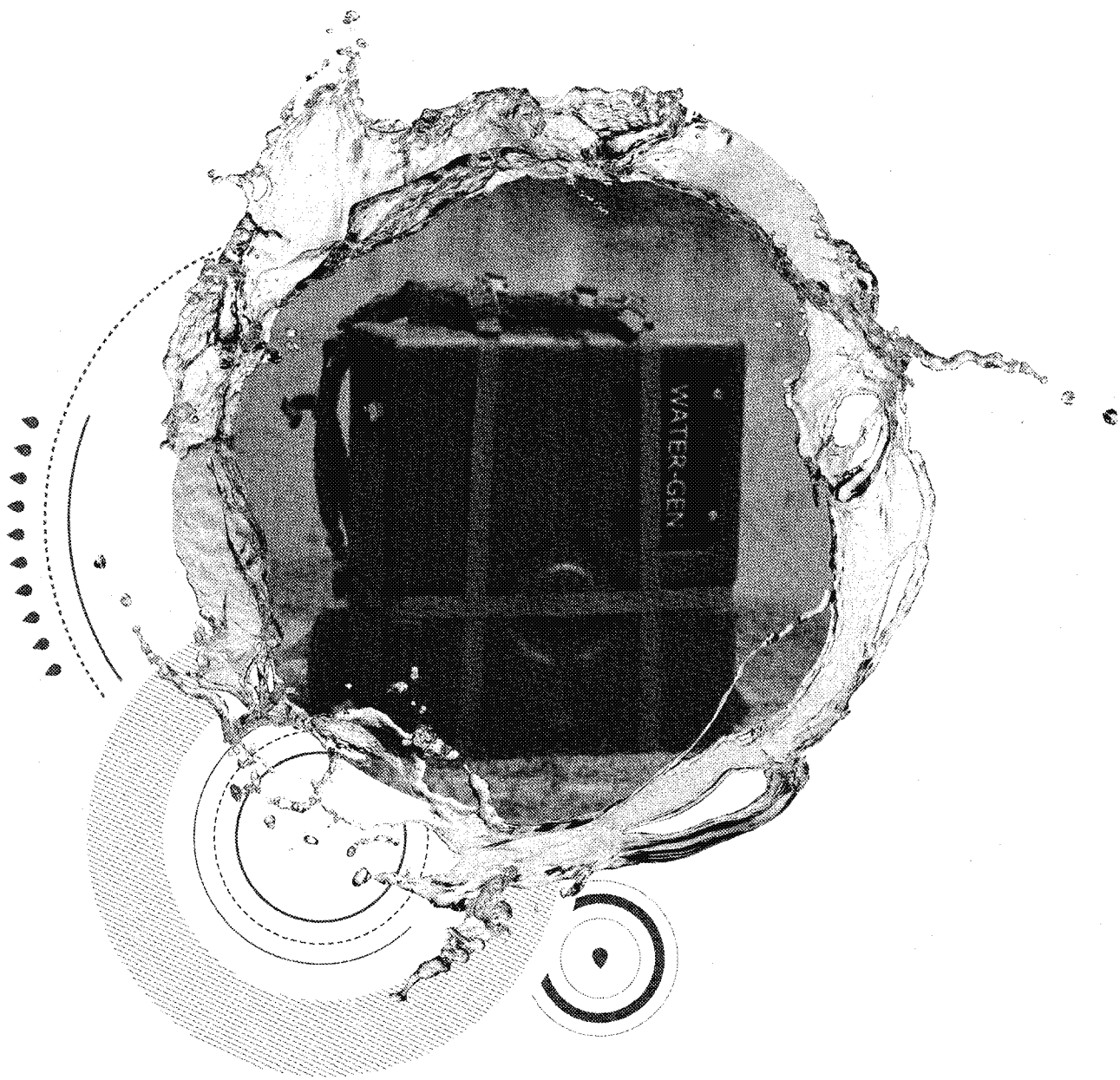
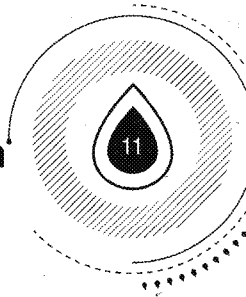
Spring is a fully MIL-STD man-portable and lightweight water purifier, powered by a standard army battery, for maneuvering ground forces. The Spring was designed to provide safe fresh drinking water from any local non-saline source, capable of handling a wide range of biological and chemical contaminants.

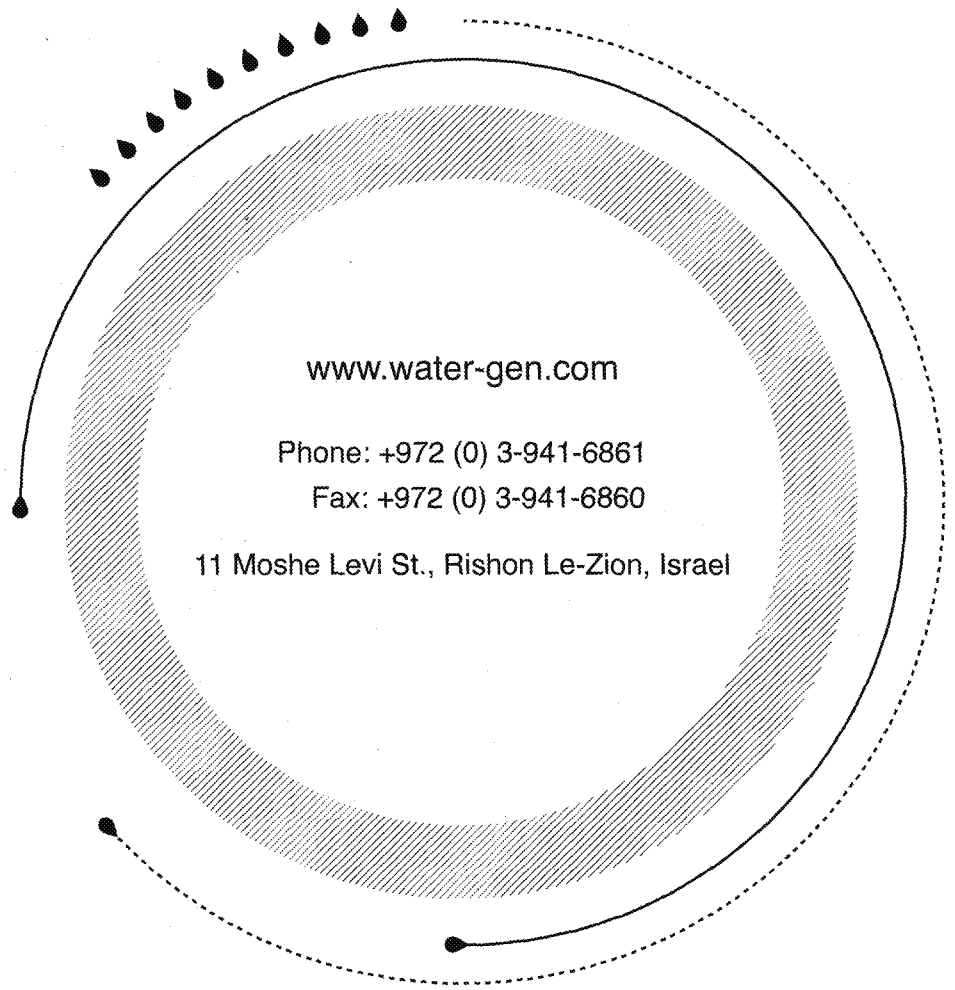
Spring Specifications:

- Water purification unit with the ability to pump, filter, and dispense fresh, pure water
- Power supply: Standard military rechargeable DC battery
- Water treatment capability: 220–240L (58–63 gallons) per battery
- Weight (including battery): 12kg (26.4 lbs)



watergen





www.water-gen.com

Phone: +972 (0) 3-941-6861

Fax: +972 (0) 3-941-6860

11 Moshe Levi St., Rishon Le-Zion, Israel

